

## **Abstract of the Invention**

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This invention provides novel neuroprotective 4-pyrimidineamine derivatives and neuroprotective pharmaceutical compositions comprising 4-pyrimidinamines. This invention also provides methods of using these compositions to prevent ischemic cell death, particularly neuronal cell death, and reduce the likelihood of neuronal cell death in a subject due to a traumatic event. Finally, this invention provides an apparatus for administering to a subject the instant pharmaceutical compositions.